Monday, 11/21/2005 12:49:04 PM Üser: Linda Lacelle **Process Sheet** : BRACKET Customer **Drawing Name** : CU-DAR001 Dart Helicopters Services Job Number : 24923 **Estimate Number** : 10810 : D3177041 **Part Number** P.O. Number : NIA : D3177 REV B2 This Issue : 11/21/2005 S.O. No. : N/A **Drawing Number** : SHE N/A Prsht Rev. : NC **Project Number** : N/A : B2🔾 : MACHINED PARTS **Drawing Revision** First Issue Type : MIA Material **Previous Run** : 12/10/2005 Each **Due Date** Written By Checked & Approved By Comment : Est Rev:B 03.01.27, Added Step 12 KJ/RF **Additional Product** Job Number: Seq. #: Description: M6061T6B1000X12000 6061-T6 Bar 1.0" x 12.0" 1.0 Comment: Qty.: 2.0747 f(s)/Unit Total: 4.1494 f(s) Material: 6061-T6 (QQ-A-200/8) or (QQ-A-250/11) 1.00" thick(M6061T6B1:0000x12.000 or M6061T6S1.000) Batch: M17873 BAND SAW BAND SAW 2.0 Comment: BAND SAW Cut blank: 47.40" x (12.000" +0.100/-0.000) 3.0 HAAS CNC VERTICAL MACHINING #1 HAAS1 Comment: HAAS CNC VERTICAL MACHINING #1 1-Machine part as per Folio FA291 and Dwg D3177 U05/12/01 2-Deburr INSPECT PARTS AS THEY COME OFF MACHINE 4.0 QC2 MS OSTIZION Comment: INSPECT PARTS AS THEY COME OFF MACHINE BG 65.11.30 SECOND CHECK 5.0 QC8 Comment: SECOND CHECK

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' ẁ /O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

art 140.	PAR #;	rauit Category:	NCR: Yes No DQA:	Date: (37/3/(37)
*			QA: N/C Closed:	Date:

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DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
vs.12.61	3	One D3177-041 o The 0.970 thickness or dwg is 0.967 The two 80.261 holes are \$6,268	#	PART 15 OK. See attached Sheet for margin of safety.	05.12.01	05.12.01	05/201	es: 1201
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Dale: Monday, 11/21/2005 12:49:04 PM · Linda Lacelle User: **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services **Drawing Name: BRACKET** Part Number: D3177041 Job Number: 24923 Job Number: Seq. #: Machine Or Operation: Description: HAND FINISHING RESOURCE #1 6.0 HAND FINISHING1 Comment: HAND FINISHING RESOURCE #1 Chemical Conversion Coat as per QSI 005 4.1 D31775 7.0 Spacer Comment: Qty.: 4.0000 Each(s)/Unit Total: 8.0000 Each(s) Pick: **Qty Part Number** Description Batch 3 05.12.06 4 D3177-5 Spacer B 20295 SMALL & MEDIUM FAB RESOURCE 1 SMALL FAB 1 8.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 05. 12.06 1-Press D3177-5 Spacers as shown on Dwg D3177 POWDER COATING 9.0 Comment: POWDER COATING Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION 10.0 QC3 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION 11.0 D26906 Comment: Qty.: 1.0000 Each(s)/Unit Total: 2.0000 Each(s) Pick: **Qty Part Number** Description Batch Lanyard **R** (9300 1 D2690-6 SS 12.0 AN960JD10 Washer Comment: Qty.: 3.0000 Each(s)/Unit Total: 6.0000 Each(s) Pick: Description **Qty Part Number** H 16066 3 AN960JD10 Washer

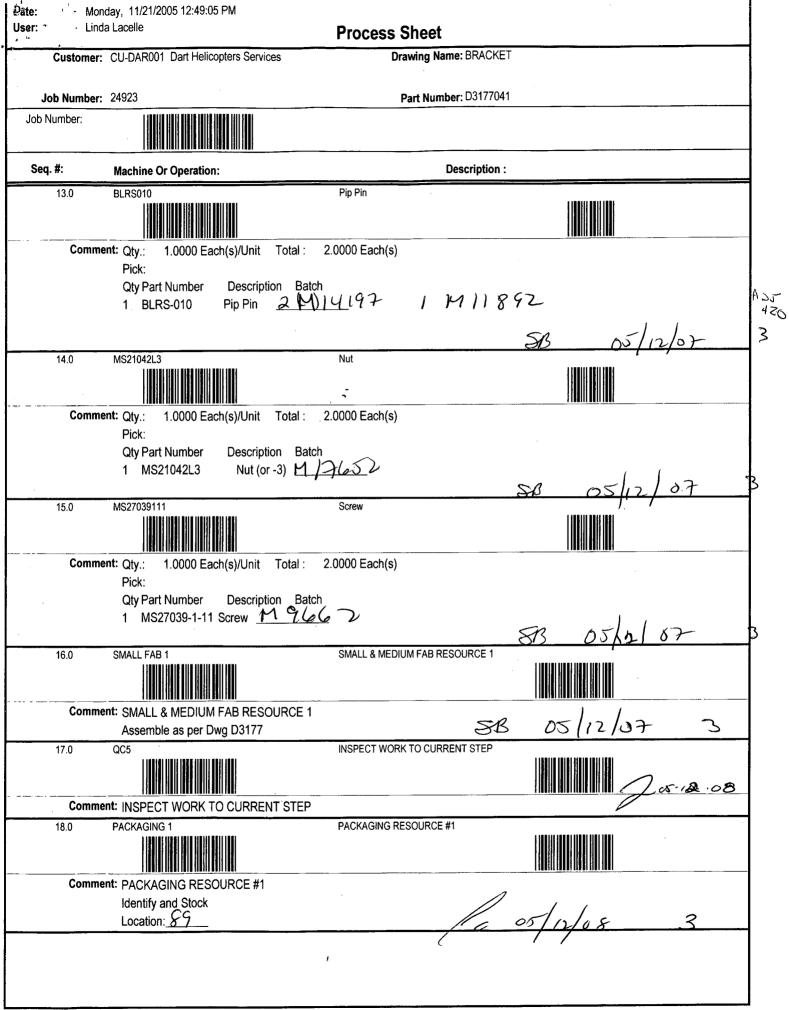
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Pate: Monday, 11/21/2005 12:49:05 PM User: Linda Lacelle

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BRACKET

Job Number: 24923

Part Number: D3177041

Job Number:



Seq. #:

Machine Or Operation:

Description:

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DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

545 05/12/09 B



Job Completion

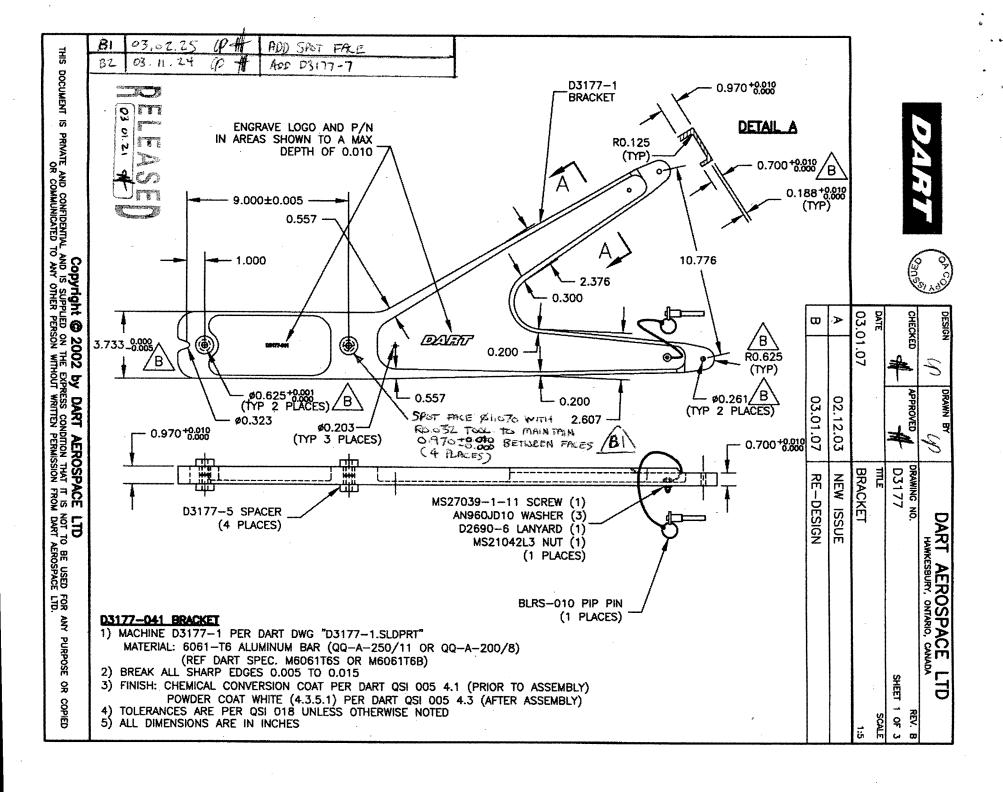


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W/O:	WORK ORDER CHANGES						
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DART AEROSPACE LTD	Work Order: 74923
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Description: Bracket	Part Number: 03177-1
Inspection Dwg: 73177 -041 Rev: 3	Page 1 of 1

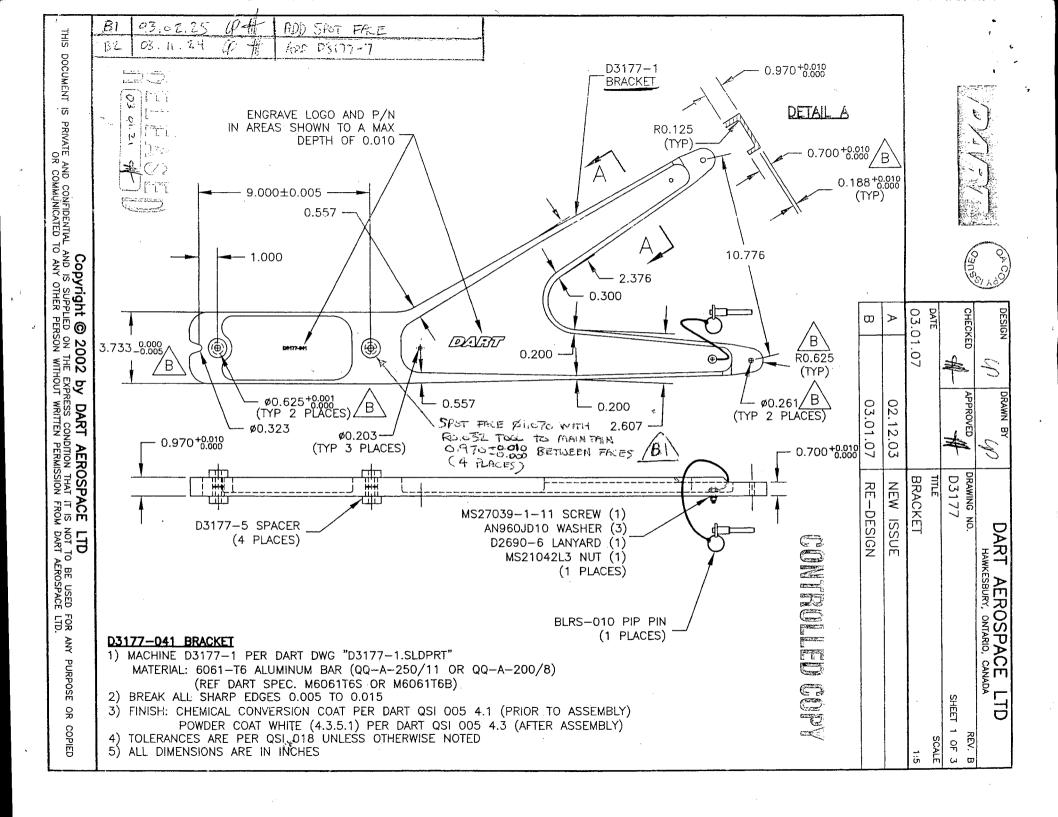
FIRST ARTICLE INSPECTION CHECKLIST

X	First Article	Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
9.000	+.005	8.997				
1.000	1.010	.997				
3.733	+.000 - \005	3.731				
\$.625	4-001	.626				
\$. 203	+.005	- 207	_			
. 557	+.000	. 551	<u> </u>			
.700	± .010	.196	- i			
7.607	+1010	2.606		·Ä·		
\$. 761	+.006	.766	<u></u>	·		
.300	+.010	. २९५	<u></u>			
2.376	±.010	7.377	· ·			
10.776	7.010	10.776				
R.125	± .010	.175				
.970	+-010	.970				
. 700	41	.706				
. 188	ι.	.194				
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Measured by: 36	Audited by:	En	Prototype Approval:	
Date: 05.11.30	Date:	05/11/30	Date:	

R	ev	Date	Change	Revised by	Approved
<u></u>	A J	.'	New Issue	KJ/RF	



<u>Part</u>	Section	Direction	(M)max (in lb)	Fcy/Ftu (psi)	<u>[</u> (in^4)	<u>c</u> (in)	(M)all (in lb)	<u>MS</u>	
D3177-041	A-A	z ·	13791	34000	0.642	1.28	17053	0.24	
D3177-041	A-A	x	1419	34000	0.056	0.67	2842	1.00	
D3177-041	B-B	Z	8497	34000	0.665	1.38	16384	0.93	
D3177-041	B-B	x	1357	34000	0.043	0.72	2031	0.50	
D3177-041	C-C	Z	26775	34000	(3.079)	1.87	55982	1.09	1
*D3177-041	C-C	x	5880	34000	0.14	0.60	7933	0.35	_ CRITICAL
*D3177-041	C-C	x	8820	38000	0.14	0.60	8867	0.01	SECTION
					New values	<u> </u>			JECTION .
D3177-043	A-A	z	10494	34000	0.731	1.43	17380	0.66	
D3177-043	A-A	X	1208	34000	0.044	0.72	2078	0.72	
D3177-043	B-B	Z	11343	34000	0.441	1.18	12761	0.12	
D3177-043	B-B	x	1500	34000	0.042	0.71	2020	0.35	

Table from Section 6.3 (page 6) of SR-D130-701-1 Rev. A

W 65,12.61